



55034/B600

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. : 30.7\*6/DBP/B600

ASSIGNEE'S SUBSTITUTION OF ATTORNEY WITH  
CHANGE OF ADDRESS FOR CORRESPONDENCE

Commissioner for Patents  
P.O.Box 1450  
Alexandria, VA 22313-1450

Commissioner:

Broadcom Corporation, assignee of the entire interest in and to each U.S. patent application and patent, identified on Exhibit A attached, under an Assignment recorded in the U.S. Patent and Trademark Office, hereby revokes all previous Powers of Attorney and appoints the practitioners associated with the

**CUSTOMER NUMBER 23363**

of the firm CHRISTIE, PARKER & HALE, LLP, telephone (626) 795-9900, as principal attorneys with power to appoint associate attorneys, to prosecute this application and any subsequent application based on the disclosure of this application, and to transact all business in the Patent and Trademark Office connected with this application and any subsequent application.

The authority under this Power of Attorney of each person identified by Customer Number 23363 shall automatically terminate and be revoked upon such person ceasing to be a member or associate of or of counsel to the firm.

Please direct all correspondence to **CUSTOMER NUMBER 23363**. Direct all telephone calls to 626/795-9900, **CHRISTIE, PARKER & HALE, LLP, P.O. Box 7068, Pasadena, California 91109-7068**.

Broadcom Corporation

By

Dee Henderson  
Senior Manager, IP Administration

Date: May 19, 2005

DJP PAS622239.1-\*05/9/05 10:45 AM

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

-1-

7-11-2005  
(Date of Deposit)

[Signature]



## EXHIBIT A

CPH/BU NO.	APPLICATION NO./FILING DATE	PATENT NO./ISSUE DATE	TITLE
55023/BU1180		6,018,755 January 25, 2000	Efficient Implementation of an FIR Filter on a General Purpose Processor
55024/BU1180CON		6,209,013 March 27, 2001	Efficient Implementation of a Filter
55025/BU1180CON2		6,618,739 September 9, 2003	Digital Filter Implementation Suitable for Execution, Together with Application code, on a Same Processor
55026/BU1180CON3	10/651,922 August 29, 2003		Efficient Implementation of a Filter
55027/BU1181		5,864,545 January 26, 1999	System and Method for Improving Convergence During Modem Training and Reducing Computational Load During Steady-State Modem Operations
55028/BU1182		5,995,540 November 30, 1999	System and method for Reducing Processing Requirements of Modem During Idle Receive Time
55029/BU1182CON		6,766,516 July 20, 2004	Processor Sharing Technique for Communications and Other Data Processing on a Same Processor
55030/BU1182CON2	10/889,611 July 12, 2004		Processing Sharing Technique for Communications and Other Data Processing on a Same Processor
55031/BU1183		6,333,974 December 25, 2001	Detection of a Call-Waiting Tone by a Modem
55032/BU1183CON		6,496,572 December 17, 2002	Detection of a Call-Waiting Tone by a Modem
55033/BU1183CON2		6,704,400 March 9, 2004	Call-Waiting Tone Detection Technique
55034/BU1183CON3	10/795,920 March 8, 2004		Apparatus, Method and Software for Call-Waiting Tone Detection
55035/BU1184		6,618,451 September 9, 2003	Efficient Reduced State Maximum Likelihood Sequence Estimator
55036/BU1184-1C	10/651,924 August 29, 2003		Efficient Partial Response Equalization
55037/BU1187		6,504,865 January 7, 2003	Digital Connection Detection Technique
55038/BU1187CON	10/299,929 November 19, 2002		Digital Connection Detection Technique
55039A/BU1188	60/146,780 July 31, 1999		Improved Digital Impairment Learning for PCM Modems

**EXHIBIT A**

55040A/BU1189	60/146,779 July 31, 1999		Adaptive Equalization Using Decision Updating in PCM Modem Training
55039/BU1188.1	09/627,573 July 28, 2000		Impairment Compensation Sequence for Communication
55040/BU1189		6,865,239 March 8, 2005	Deterministic Distortion Insensitive Adaptive Receiver Using Decision Updating
55041/BU1189CON	11/066,872 February 25, 2005		Deterministic Distortion Insensitive Adaptive Receiver Using Decision Updating
55042/BU1188.2	09/627,572 July 28, 2000		Categorization of Impairments Affecting a Communication Channel
55043/BU1188.3	09/627,571 July 28, 2000		Impairment Sensitive Selection of Constellation Points for Communication Across a Channel
55044/BU1500	09/658,754 September 8, 2000		Method and Apparatus to Identify a Remote Communication Apparatus and Enhance Communication Performance Based on the Identification
55046A/BU1703	60/261,742 January 16, 2001		Selectable Training Signals Based on Stored Previous Connection Information for DMT-Based System
55046/BU1703	09/863,522 May 23, 2001		Selectable Training Signals Based on Stored Previous Connection Information for DMT-Based System